

# **Missouri Assessment Program Spring 2004**

## **Mathematics**

### **Scoring Guide for Released Items**

#### **Grade 10**

**Session:** 1  
**Item No.:** 9  
**Page No.:** 10  
**Content Standard(s):** 3-Data Analysis, Probability, and Statistics  
**Process Standard(s):** 1.10

**Exemplary Response:**

- 408 (people)

AND

- $26\% + 23\% + 19\% = 68\%$

$$0.68 \times 600 = 408$$

OR

Other valid process

**Score Points:**

2 points Exemplary response

1 point Correct process; error in computation  
OR  
Correct answer

0 points Other

Session: 2  
Item No.: 8  
Page No.: 10  
Content Standard(s): 5-Mathematical Systems and Number Theory  
Process Standard(s): 3.3

**Exemplary Response:**

- Area D

AND

- 

**PETUNIAS FOUND IN GARDEN**

Area	Total Number of Plants in Area	Findings	Number of Petunias in Area
A	30	$\frac{1}{6}$ of the plants are petunias	5
B	20	$\frac{7}{10}$ of the plants are petunias	14
C	50	30% of the plants are petunias	15
D	40	0.40 of the plants are petunias	16
E	30	$\frac{5}{15}$ of the plants are petunias	10

A:  $\frac{1}{6} \times 30 = 5$

B:  $\frac{7}{10} \times 20 = 14$

C:  $0.30 \times 50 = 15$

D:  $0.40 \times 40 = 16$

E:  $\frac{5}{15} \times 30 = 10$

OR

Other valid process

**Session:** 2  
**Item No.:** 8  
**Page No.:** 10  
**Content Standard(s):** 5-Mathematical Systems and Number Theory  
**Process Standard(s):** 3.3

**Score Points:**

2 points Exemplary response

1 point Correct process; error in computation  
OR  
Correct answer only

0 points Other